

09/862,830

=> d his

(FILE 'HOME' ENTERED AT 15:06:10 ON 15 NOV 2002)

FILE 'CA' ENTERED AT 15:06:19 ON 15 NOV 2002

E SCHROEDER JOHN GREGORY/AU

L1 4 S E3

E HONMA NOBUHIKO/AU

L2 2 S E3

L3 37 S (KIT OR PACK? OR

COMBINATION) (P) DETERGENT# (P) LAUNDRY (P) (BLEAC

L4 8 S (KIT OR PACK? OR COMBINATION) (P) DETERGENT# (P) SEPARATE?

FILE 'USPATFULL' ENTERED AT 15:14:46 ON 15 NOV 2002

L5 310 S L3

L6 40 S (KIT OR PACK? OR

COMBINATION) (P) DETERGENT# (P) LAUNDRY (P) (BLEAC

=>

=> s e3

L1 4 "SCHROEDER JOHN GREGORY"/AU

=> d 1-4 11 ti

L1 ANSWER 1 OF 4 CA COPYRIGHT 2002 ACS
TI A kit for caring for a fabric article

L1 ANSWER 2 OF 4 CA COPYRIGHT 2002 ACS
TI Method for caring for a fabric article and providing a fabric care system
designed to work together

L1 ANSWER 3 OF 4 CA COPYRIGHT 2002 ACS
TI Conditioning shampoo compositions having improved silicone deposition

L1 ANSWER 4 OF 4 CA COPYRIGHT 2002 ACS
TI Conditioning shampoo compositions

=>

=> s e3

L2 2 "HONMA NOBUHIKO"/AU

=> d 1-2 12 ti

L2 ANSWER 1 OF 2 CA COPYRIGHT 2002 ACS

TI A kit for caring for a fabric article

L2 ANSWER 2 OF 2 CA COPYRIGHT 2002 ACS

TI Method for caring for a fabric article and providing a fabric care system
designed to work together

=>

L3 37 (KIT OR PACK? OR
COMBINATION) (P) DETERGENT# (P) LAUNDRY (P) (BLEACH?
OR DRYER OR SHEET# OR PRETREAT? OR SPOT? OR PRESBOT? OR
FIXATIVE
OR FINISHING)

=> d 1-37 13 ti

L3 ANSWER 1 OF 37 CA COPYRIGHT 2002 ACS
TI Manufacture of water-soluble films for packaging laundry products

L3 ANSWER 2 OF 37 CA COPYRIGHT 2002 ACS
TI Water-soluble film packaged laundry supply

L3 ANSWER 3 OF 37 CA COPYRIGHT 2002 ACS
TI Portion-packed laundry detergent composition bags using gas-barrier
water-soluble materials

L3 ANSWER 4 OF 37 CA COPYRIGHT 2002 ACS
TI Laundry detergent compositions with a combination of cyclic amine polymer
and dye transfer inhibitor

L3 ANSWER 5 OF 37 CA COPYRIGHT 2002 ACS
TI Trends and technological developments in laundry products in Japan

L3 ANSWER 6 OF 37 CA COPYRIGHT 2002 ACS
TI Packaged laundry and cleaning detergent portions and their use

L3 ANSWER 7 OF 37 CA COPYRIGHT 2002 ACS
TI Sheet-type laundry detergents with good shape retention and high
solubility

L3 ANSWER 8 OF 37 CA COPYRIGHT 2002 ACS
TI Detergent compositions comprising modified polyamines for cotton soil
release and protease enzymes

L3 ANSWER 9 OF 37 CA COPYRIGHT 2002 ACS
TI Laundry detergents packaged with water-soluble poly(vinyl alcohol)
laminated materials having good low-temperature solubility

L3 ANSWER 10 OF 37 CA COPYRIGHT 2002 ACS
TI Dye transfer inhibition by metals salen complexes

L3 ANSWER 11 OF 37 CA COPYRIGHT 2002 ACS
TI Storage-stable oxygen bleaching system, and a kit for bleaching/cleaning
fabric surfaces

L3 ANSWER 12 OF 37 CA COPYRIGHT 2002 ACS
TI Surfactant/photo-bleach compositions for detergents

L3 ANSWER 13 OF 37 CA COPYRIGHT 2002 ACS
TI Nonaqueous detergent compositions containing bleach

L3 ANSWER 14 OF 37 CA COPYRIGHT 2002 ACS
TI Recent developments in the field of laundry detergents and cleansers

L3 ANSWER 15 OF 37 CA COPYRIGHT 2002 ACS
TI Cellulase activity control by a terminator

L3 ANSWER 16 OF 37 CA COPYRIGHT 2002 ACS
TI Laundry detergent bleaching compositions containing mutant subtilisins

L3 ANSWER 17 OF 37 CA COPYRIGHT 2002 ACS
TI Laundry detergent kits consisting of water-soluble plastic bags containing detergent components

L3 ANSWER 18 OF 37 CA COPYRIGHT 2002 ACS
TI Solid laundry detergent containing anionic and nonionic surfactants, peroxyacid bleaches, and phyllosilicate minerals

L3 ANSWER 19 OF 37 CA COPYRIGHT 2002 ACS
TI Stable perfumed bleaching compositions

L3 ANSWER 20 OF 37 CA COPYRIGHT 2002 ACS
TI More from less. New detergent concept for the European market

L3 ANSWER 21 OF 37 CA COPYRIGHT 2002 ACS
TI Bleaching compositions containing protease enzymes

L3 ANSWER 22 OF 37 CA COPYRIGHT 2002 ACS
TI Bleach-containing detergent compositions packaged in poly(vinyl alcohol) films

L3 ANSWER 23 OF 37 CA COPYRIGHT 2002 ACS
TI Water-soluble or -dispersible laminated sheets for packaging

L3 ANSWER 24 OF 37 CA COPYRIGHT 2002 ACS
TI Ureidoperoxy carboxylic acids, process for their preparation and their use

L3 ANSWER 25 OF 37 CA COPYRIGHT 2002 ACS
TI Water-soluble film of acetalized poly(vinyl alcohol) for packaging

L3 ANSWER 26 OF 37 CA COPYRIGHT 2002 ACS
TI Washing with liquid detergents

L3 ANSWER 27 OF 37 CA COPYRIGHT 2002 ACS
TI Polymer sheet for delivering laundry care additive and laundry care product formed therefrom

L3 ANSWER 28 OF 37 CA COPYRIGHT 2002 ACS
TI Household laundry detergent with dual strength bleach

L3 ANSWER 29 OF 37 CA COPYRIGHT 2002 ACS
TI Polymer sheet for delivering laundry care additive and laundry care product formed from it

L3 ANSWER 30 OF 37 CA COPYRIGHT 2002 ACS
TI Fabric softeners

L3 ANSWER 31 OF 37 CA COPYRIGHT 2002 ACS
TI Laundry additive compositions

L3 ANSWER 32 OF 37 CA COPYRIGHT 2002 ACS
TI Laundry additive products

L3 ANSWER 33 OF 37 CA COPYRIGHT 2002 ACS
TI Poly(vinyl alcohol) plasticized with an alkanolamine salt of a polyalkylene glycol-esterified styrene-maleic anhydride copolymer

L3 ANSWER 34 OF 37 CA COPYRIGHT 2002 ACS
TI Water-soluble interpolymers of acrylamidoalkylsulfonates for preparation of packaging films for laundry additives

L3 ANSWER 35 OF 37 CA COPYRIGHT 2002 ACS
TI Water-soluble packages for laundry detergents

L3 ANSWER 36 OF 37 CA COPYRIGHT 2002 ACS
TI Rendering textile materials soft, resistant to bacteria, and antistatic

L3 ANSWER 37 OF 37 CA COPYRIGHT 2002 ACS
TI American Society for Testing Materials, Standards, 1952. VII. Textiles, soap, water, paper, adhesives, shipping containers

=>

3 ANSWER 17 OF 37 CA COPYRIGHT 2002 ACS

AN 126:91077 CA

TI Laundry detergent kits consisting of water-soluble plastic bags containing

detergent components

IN Weber, Rudolf; Puetz, Jean

PA Weber, Rudolf, Germany

SO Ger. Offen., 2 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM C11D003-386

ICS C11D003-395; D06F039-02; B65D030-02; B65D065-46

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19521140	A1	19961212	DE 1995-19521140	19950609
AB	Laundry detergent kits consist of poly(vinyl alc.) bags with varying sapon. degree ensuring different soly. in water at various temps. These bags with different soly. are filled with different laundry detergent components, such as water softeners, enzymes, surfactants, optical brighteners, grayness inhibitors, color protecting agents, and bleaching agents. Appropriate bag combinations can be selected according to specific laundering needs, e.g., bags. contg. water softeners, surfactants, enzymes, optical brighteners, and bleaching agents for white fabrics, or bags contg. water softeners, surfactants, color protecting agents, and enzymes for colored fabrics. Each bag contg. a particular detergent component is dissolved at different time during the laundering process to ensure max. effectiveness of each component (e.g., the action of enzymes in the initial laundering phase will not be hindered by the simultaneous presence of bleaching agents.).				
ST	laundry detergent kit polyvinyl alc bag; water softener laundry detergent kit; bleaching agent laundry detergent kit ; color protection agent laundry detergent kit ; optical brightener laundry detergent kit; surfactant laundry detergent kit; enzyme laundry detergent kit				
IT	Quaternary ammonium compounds, uses RL: TEM (Technical or engineered material use); USES (Uses) (cationic; laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)				
IT	Bags Bleaching agents Fluorescent brighteners Surfactants (laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)				
IT	Enzymes, uses RL: TEM (Technical or engineered material use); USES (Uses) (laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)				
IT	Detergents (laundry; laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)				
IT	Water purification				

(softening, agent; laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)

IT 10543-57-4, Tetraacetylenediamine
RL: TEM (Technical or engineered material use); USES (Uses)
(bleaching activator; laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)

IT 9003-39-8, Polyvinylpyrrolidone
RL: TEM (Technical or engineered material use); USES (Uses)
(color protection agent; laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)

IT 9002-89-5, Poly(vinyl alcohol) 9003-20-7D, Poly(vinyl acetate), sapond.
RL: DEV (Device component use); USES (Uses)
(laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)

IT 144-55-8, Carbonic acid monosodium salt, uses 7664-93-9D, Sulfuric acid,
esters, uses 9000-92-4, Amylase 9001-62-1, Lipase 9001-92-7,
Protease 9004-32-4 9004-67-5, Methyl cellulose 9012-54-8, Cellulase
RL: TEM (Technical or engineered material use); USES (Uses)
(laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)

IT 54227-96-2D, Distyrylbiphenyl, derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(optical brightener; laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)

IT 79-10-7D, 2-Propenoic acid, esters, polymers, uses 497-19-8, Soda, uses
994-36-5, Sodium citrate 13870-28-5, SKS 6
RL: TEM (Technical or engineered material use); USES (Uses)
(water softener; laundry detergent kits consisting of water-sol. plastic bags contg. detergent components)

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L4 8 (KIT OR PACK? OR COMBINATION) (P) DETERGENT# (P) SEPARATE?

=> d 1-8 14 ti

L4 ANSWER 1 OF 8 CA COPYRIGHT 2002 ACS

TI The structure of photosystem I from the thermophilic cyanobacterium *Synechococcus* sp. determined by electron microscopy of two-dimensional crystals

L4 ANSWER 2 OF 8 CA COPYRIGHT 2002 ACS

TI Carcinogenesis and chronic toxicity of nitrilotriacetic acid in Swiss mice

L4 ANSWER 3 OF 8 CA COPYRIGHT 2002 ACS

TI Energy transfer in dye-**detergent** micelles. Model for the **separate package** photosynthetic unit

L4 ANSWER 4 OF 8 CA COPYRIGHT 2002 ACS

TI Strandedness and complementarity of DNA from long-term RNA-dependent DNA polymerase reactions of Soehner-Dmochowski murine sarcoma virus

L4 ANSWER 5 OF 8 CA COPYRIGHT 2002 ACS

TI Free-flowing alkyl aryl sulfonate detergent compositions

L4 ANSWER 6 OF 8 CA COPYRIGHT 2002 ACS

TI Amperometric titration of fluoride with thorium by a rotating palladium electrode

L4 ANSWER 7 OF 8 CA COPYRIGHT 2002 ACS

TI Lubricants

L4 ANSWER 8 OF 8 CA COPYRIGHT 2002 ACS

TI Rust-inhibiting composition

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L6 40 (KIT OR PACK? OR
COMBINATION) (P) DETERGENT# (P) LAUNDRY (P) (BLEACH?
OR DRYER OR SHEET# OR PRETREAT? OR SPOT? OR PRESBOT? OR
FIXATIVE
OR FINISHING) (P) SEPARAT?

=> d 1-40 16 ti

L6 ANSWER 1 OF 40 USPATFULL
TI Method for caring for a fabric article and for providing a system
therefor

L6 ANSWER 2 OF 40 USPATFULL
TI Method for increasing brightness retention of laundered fabrics

L6 ANSWER 3 OF 40 USPATFULL
TI Detergent compositions containing fragrance precursors and the
fragrance
precursors themselves

L6 ANSWER 4 OF 40 USPATFULL
TI Pro-fragrance compound

L6 ANSWER 5 OF 40 USPATFULL
TI Bleach activators

L6 ANSWER 6 OF 40 USPATFULL
TI Detergent composition having improved chlorine stability
characteristics, novel chlorine containing product format and method of
making chlorine stable composition

L6 ANSWER 7 OF 40 USPATFULL
TI Films from PVA modified with nonhydrolyzable anionic comonomers

L6 ANSWER 8 OF 40 USPATFULL
TI Process for the production of detergents

L6 ANSWER 9 OF 40 USPATFULL
TI Production of compacted granules for detergents

L6 ANSWER 10 OF 40 USPATFULL
TI Peroxygen compound activation

L6 ANSWER 11 OF 40 USPATFULL
TI One piece capsule with optional insert and tape seal

L6 ANSWER 12 OF 40 USPATFULL
TI Quaternary ammonium compounds

L6 ANSWER 13 OF 40 USPATFULL
TI Liquid laundry detergent in water-soluble package

L6 ANSWER 14 OF 40 USPATFULL
TI Films from PVA modified with nonhydrolyzable anionic comonomers

L6 ANSWER 15 OF 40 USPATFULL
TI Detersive article

L6 ANSWER 16 OF 40 USPATFULL
TI PVA films with nonhydrolyzable anionic comonomers for packaging detergents

L6 ANSWER 17 OF 40 USPATFULL
TI Carton formed from blank of expanded polymer material and blank therefor

L6 ANSWER 18 OF 40 USPATFULL
TI Process for the production of a washing additive in tablet form

L6 ANSWER 19 OF 40 USPATFULL
TI Multi functional laundry product and employment of same during fabric laundering

L6 ANSWER 20 OF 40 USPATFULL
TI Household laundry detergent with dual strength bleach

L6 ANSWER 21 OF 40 USPATFULL
TI Self-draining closure

L6 ANSWER 22 OF 40 USPATFULL
TI Multi-functional laundry product and employment of same during fabric laundering

L6 ANSWER 23 OF 40 USPATFULL
TI Polyol esters of alpha-hydroxy carboxylic acids

L6 ANSWER 24 OF 40 USPATFULL
TI Article for storing and dispensing detergent compositions utilizing separate tablets of components

L6 ANSWER 25 OF 40 USPATFULL
TI Polyol esters of alpha-hydroxy carboxylic acids

L6 ANSWER 26 OF 40 USPATFULL
TI Process for preparing cold water-soluble films from PVA by melt extrusion

L6 ANSWER 27 OF 40 USPATFULL
TI Detergent compositions and washing methods including and utilizing separate tablets of components

L6 ANSWER 28 OF 40 USPATFULL
TI Melt-extrudable cold water soluble films

L6 ANSWER 29 OF 40 USPATFULL
TI Melt extrudable cold water-soluble films

L6 ANSWER 30 OF 40 USPATFULL
TI Water-soluble films from polyvinyl alcohol compositions

L6 ANSWER 31 OF 40 USPATFULL
TI Method of making water-soluble films from polyvinyl alcohol compositions

L6 ANSWER 32 OF 40 USPATFULL
TI Method for the oxidative treatment of textiles with activated peroxygen

compounds

L6 ANSWER 33 OF 40 USPATFULL

TI Polyvinyl alcohol compositions for use in the preparation of water-soluble films

L6 ANSWER 34 OF 40 USPATFULL

TI Detergent compositions and washing methods including and utilizing separate tablets of components

L6 ANSWER 35 OF 40 USPATFULL

TI Bleaching and brightening detergent composition

L6 ANSWER 36 OF 40 USPATFULL

TI Activation of organic peracids by di-ketones

L6 ANSWER 37 OF 40 USPATFULL

TI Laundry machine

L6 ANSWER 38 OF 40 USPATFULL

TI Laundry machine and method of washing clothes

L6 ANSWER 39 OF 40 USPATFULL

TI Cold water soluble plastic films

L6 ANSWER 40 OF 40 USPATFULL

TI COMBINATION DISPENSER PACKAGE WITH PORTION MEASURING MEANS FOR DISPENSING CONTROLLED AMOUNTS OF FLUENT MATERIALS

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